BAYTECH CORPORATION

EXECUTIVE ORDER A-330-0193 New On-Road Heavy-Duty Engines

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE 1 Dual-Fuel:	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
2008	8BYTH08.1P22	8.1	LPG or Gasoline	Otto	HDO	TWC, SFI, 2HO2S	EMD				
	ENGINE'S IDLE NS CONTROL		ADD	ITIONAL IDLE EN		TROL 5					
	N/A			N	/A		****				
ENGINE (L)		ENGINE MOD	ELS / CODES (ra	ted power, in I	hp)					
8.1		GM8.1L / 1 (279 LPG / 296 Gasoline)									
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* =not eooli	rable: GIMProroce unbi	ala variati estas. 49.66	D Till. 45 D. K.								
L=liter: hp:	horsepower; kw=kilowat	cie weight rating; 13 CC i; hr=hour;	K Xyz=Title 13, California Code o	of Regulations, Secti	on xyz; 40 CFR	86.abc=Title 40, Code of Federal Regulation	ns, Section 86 abc;				
, CNG/LN	IG=compressed/liquefied	natural gas; LPG=liquefi	ed petroleum gas; E85≃85% eil-	and fuel; MF=mult	fueta.k.a. BF=	bi fuel; DF=dual fuel; FF=flexible fuel;					
. DWG	ivv≂iignvmedium/neavy h	eavy-duty diesel; UB≃u	rban bus; HDO≒heavv dutv Otto	1							
ECS=er	nission control system; T\	NC/OC=three-way/oxidiz	ing catalyst; NAC=NOx adsorpti	on calalyst; SCR-U	/ SCR-N=select	live catalytic reduction – urea / ammonia; \	WU (prefix) =warm-				
TBI=throttle	body fuel injection: SFI/A	#FI≃sequential/multi nort	fuel injection: DGI-direct carelli	ygen sensor, nars	xAr5=neated/a	ir-fuel-ratio sensor (a.k.a., universal or linear	oxygen sensor);				
	er; CAC=charge air coole ule; EM≂engine modifical			; PAIR/AIR=pulsed	/secondary air ir	ruretor; IDI/DDI≂indirect/direct dieset injection njection; SPL=smoke puff limiter; ECM/PCN	n; TC/SC=t⊔roo/ !=engine/powertrain				
						combustion auxiliary power system; ALT=a					
g-u u.	·	v-everabled bell 13 CCL	CONGILMO	TUBI SVSTEMS: N/A:	=not apolicable i	combustion auxiliary power system; ALT=a (e.g., Otto engines and vehicles);	iternative method				
EMD=e	ngine manufacturer diagn	ostic system (13 CCR 19	71); OBD=on-board diagnostic s	system/13 CCR 197	71.1):	(all to all to live of)	ļ				

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in

in	NMHC		NOx		NMHC+NOx		со		PM		нсно	
g/bhp-hr	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	*	*	*	*	1.0 (1.0)	*	37.1 (37.1)	*	,	*	*	
FEL	*	*	*	*	•	*	*	* .	*	*	*	•
CERT	*	*	*	•	0.9 (0.2)	•	8.7 (6.1)	•	*		*	•
NTE		*		*	<u> </u>	*	(===/			*		*

g/bhp-hr=grams per brake horsepower-hour, FTP=Federal Test Procedure: EURO≃Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde; (Rev.: 2007-02-26)

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this ____ day of May 2008.

Annette Hebert, Chief

Mobile Source Operations Division